EAST Search History

| L1 | Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|--|----------|------------|--|-----|---------------------|---------|------------------|
| L2 | | 212 | near3 conduct\$4) and (thermal\$3 near3 conduct\$5) and | | | ON | 2006/06/13 14:39 |
| | L2 | 74 | laser and (mirror\$1 or reflec\$4) and (gain or active) and (heat near3 (sink or conduct\$4)) and (thermal\$3 near3 conduct\$5) | | AND . | ON | 2006/06/13 14:40 |
| and (mirros't or reflec\$4) and (gain or active) and (heat neard (sink or conduct\$4) and (thermal\$3 neard conduct\$5) and (pressure with bond\$4 with adhesive) 1.5 22 ((semiconductor or diode or (solid near3 state)) near3 laser) and (mirros't or reflec\$4) and (gain or active) and (heat near3 (sink or conduct\$5) and (pressure with bond\$4 with adhesive) 1.6 49 ((semiconductor or diode or (solid near3 state)) near3 laser) and (mirros't or reflec\$4) and (gain or active) and (heat near3 (sink or conduct\$4 or element)) and (pressure with bond\$4 with adhesive) 1.7 1 ((semiconductor or diode or (solid near3 state)) near3 laser) and (mirros't or reflec\$4) and (gain or active) and (heat near3 (sink or conduct\$4 or element)) with (pressure with bond\$4 with adhesive) 1.8 2 ((semiconductor or diode or (solid near3 state)) near3 laser) and (mirros't or reflec\$4) and (gain or active) and ((heat near3 (sink or conduct\$4 or element)) same (contact near5 bond\$4)) 1.8 2 ((semiconductor or diode or (solid near3 state)) near3 laser) and (mirros't or reflec\$4) and (gain or active) and ((heat near3 (sink or conduct\$4 or element)) same (pressure with bond\$4 with adhesive)) 1.9 1 ((heat near3 (sink or conduct\$4 or element)) same (pressure with bond\$4 with (free or without) near2 adhesive)) 1.1 2 1 ((semiconductor or diode or (solid near3 state)) near3 laser) and (mirros't or reflec\$4) and (gain or active) and ((heat near3 (sink or conduct\$4 or element)) same (pressure with bond\$4 with (free or without) near2 adhesive)) 1.1 3 1 ((heat near3 (sink or conduct\$4 or element)) same (pressure with bond\$4 with (free or without) near2 adhesive)) 1.1 4 1 ((semiconductor or diode or (solid near3 state)) near3 laser) and (mirros't or reflec\$4) and (gain or active) and ((heat near3 (sink or conduct\$4 or element)) same (pressure with bond\$4) and (mirros't or reflec\$4) and (gain or active) and ((heat near3 (sink or conduct\$4 or element)) same (pressure with bond\$4) and (mirros't or reflec\$4) and (gain or active) and ((heat near3 bond\$4)) and ((| L4 | 1 | near3 (sink or conduct\$4)) and (thermal\$3 near3 conduct\$5) | | AND | ON | 2006/06/13 14:40 |
| and (mirror\$1 or reflec\$4) and (gain or active) and (heat near3 (sink or conduct\$5 and (pressure with bond\$4 with adhesive) 1. | L3 | 22 | and (mirror\$1 or reflec\$4) and (gain or active) and (heat near3 (sink or conduct\$4)) and (thermal\$3 near3 conduct\$5) and | | AND | ON | 2006/06/13 14:42 |
| and (mirror\$1 or reflec\$4) and (gain or active) and (heat near3 (sink or conduct\$4 or element)) and (pressure with bond\$4 with adhesive) 1 ((semiconductor or diode or (solid near3 state)) near3 laser) and (mirror\$1 or reflec\$4) and (gain or active) and (fleat near3 (sink or conduct\$4 or element)) with (pressure with bond\$4 with adhesive)) 1 ((semiconductor or diode or (solid near3 state)) near3 laser) and (mirror\$1 or reflec\$4) and (gain or active) and (fleat near3 (sink or conduct\$4 or element)) same (contact near3 bond\$4)) 1 ((semiconductor or diode or (solid near3 state)) near3 laser) and (mirror\$1 or reflec\$4) and (gain or active) and (fleat near3 (sink or conduct\$4 or element)) same (pressure with bond\$4 with adhesive)) 1 ((semiconductor or diode or (solid near3 state)) near3 laser) and (mirror\$1 or reflec\$4) and (gain or active) and (fleat near3 (sink or conduct\$4 or element)) same (pressure with bond\$4 with (ffree or without) near2 adhesive)) 1 ((semiconductor or diode or (solid near3 state)) near3 laser) and (mirror\$1 or reflec\$4) and (gain or active) and (fleat near3 (sink or conduct\$4 or element)) same (pressure with bond\$4 with (ffree or without) near2 adhesive)) 1 ((semiconductor or diode or (solid near3 state)) near3 laser) and (mirror\$1 or reflec\$4) and (gain or active) and (fleat near3 (sink or conduct\$4 or element)) with (contact near3 bond\$4)) and (free or without) or any) near2 adhesive) 1 ((semiconductor or diode or (solid near3 state)) near3 laser) and (mirror\$1 or reflec\$4) and (gain or active) and (fleat near3 (sink or conduct\$4 or element)) with (contact near3 bond\$4)) and (free or without) or any) near2 adhesive) 1 ((semiconductor or diode or (solid near3 state)) near3 laser) and (mirror\$1 or reflec\$4) and (gain or active) and (fleat near3 (sink or conduct\$4 or element)) with (contact near3 bond\$4)) and (free or without) or any) near2 adhesive) 1 ((semiconductor or diode or (solid near3 state)) near3 laser) and (mirror\$1 or reflec\$4) and (gain or active) and (fleat near3 (sink o | L5 · | 22 | and (mirror\$1 or reflec\$4) and (gain or active) and (heat near3 (sink or conduct\$4 or element)) and (thermal\$3 near3 | | AND | ON | 2006/06/13 14:45 |
| and (mirror\$1 or reflec\$4) and (gain or active) and ((heat near3 (sink or conduct\$4 or element)) with (pressure with bond\$4 with adhesive)) L10 75 ((semiconductor or diode or (solid near3 state)) near3 laser) and (mirror\$1 or reflec\$4) and (gain or active) and ((heat near3 (sink or conduct\$4 or element)) same (contact near3 bond\$4)) L8 2 ((semiconductor or diode or (solid near3 state)) near3 laser) and (mirror\$1 or reflec\$4) and (gain or active) and ((heat near3 (sink or conduct\$4 or element)) same (pressure with bond\$4 with adhesive)) L12 0 laser and (mirror\$1 or reflec\$4) and (gain or active) and ((heat near3 (sink or conduct\$4 or element)) same (pressure with bond\$4 with (arhoesive)) L13 1 ((heat near3 (sink or conduct\$4 or element)) same (pressure with bond\$4 with (with adhesive)) L11 41 ((semiconductor or diode or (solid near3 state)) near3 laser) and (mirror\$1 or reflec\$4) and (gain or active) and ((heat near3 (sink or conduct\$4 or element)) with (contact near3 bond\$4)) L15 1 ((semiconductor or diode or (solid near3 state)) near3 laser) and (mirror\$1 or reflec\$4) and (gain or active) and ((heat near3 (sink or conduct\$4 or element)) with (contact near3 bond\$4)) L16 1 ((semiconductor or diode or (solid near3 state)) near3 laser) and (mirror\$1 or reflec\$4) and (gain or active) and ((heat near3 (sink or conduct\$4 or element)) with (contact near3 bond\$4)) L14 1 ((semiconductor or diode or (solid near3 state)) near3 laser) and (mirror\$1 or reflec\$4) and (gain or active) and ((heat near3 (sink or conduct\$4 or element)) with (contact near3 bond\$4)) L16 1 ((semiconductor or diode or (solid near3 state)) near3 laser) and (mirror\$1 or reflec\$4) and (gain or active) and ((heat near3 (sink or conduct\$4 or element)) same (contact near3 bond\$4)) or contact-bond\$4) and ((free or without) near2 adhesive) L17 1 ("5,846,638").PN. L18 2 7 (semiconductor or diode or (solid near3 state)) near3 laser) and (mirror\$1 or reflec\$4) and (gain or active) and (heat near3 (sink or conduct\$4 or element)) same (contact near3 b | L6 | 49 | and (mirror\$1 or reflec\$4) and (gain or active) and (heat near3 (sink or conduct\$4 or element)) and (pressure with bond\$4 with | , , | AND | ON | 2006/06/13 14:45 |
| and (mirror\$1 or reflec\$4) and (gain or active) and ((heat near3 (sink or conduct\$4 or element)) same (contact near3 bond\$4)) L12 C1 ((semiconductor or diode or (solid near3 state)) near3 laser) and (mirror\$1 or reflec\$4) and (gain or active) and ((heat near3 (sink or conduct\$4 or element)) same (pressure with bond\$4 with adhesive)) L12 C1 (lear near3 (sink or conduct\$4 or element)) same (pressure with bond\$4 with (free or without) near2 adhesive)) L13 C1 (lear near3 (sink or conduct\$4 or element)) same (pressure with bond\$4 with (free or without) near2 adhesive)) L14 C1 (semiconductor or diode or (solid near3 state)) near3 laser) and (mirror\$1 or reflec\$4) and (gain or active) and ((heat near3 (sink or conduct\$4 or element)) with (contact near3 bond\$4)) and (free or without or any) near2 adhesive) L15 C1 (semiconductor or diode or (solid near3 state)) near3 laser) and (mirror\$1 or reflec\$4) and (gain or active) and (heat near3 (sink or conduct\$4 or element)) with (contact near3 bond\$4)) and (free or without or any) near2 adhesive) L16 C1 (semiconductor or diode or (solid near3 state)) near3 laser) and (mirror\$1 or reflec\$4) and (gain or active) and (heat near3 (sink or conduct\$4 or element)) with (contact near3 bond\$4)) and (free or without) near2 adhesive) L17 C1 ("5.846,638").PN. C2 ((semiconductor or diode or (solid near3 state)) near3 laser) and (mirror\$1 or reflec\$4) and (gain or active) and (heat near3 (sink or conduct\$4 or element)) same (contact near3 bond\$4) or contact\$4 or element)) same (contact near3 bond\$4 | L7 | 1 | and (mirror\$1 or reflec\$4) and (gain or active) and ((heat near3 (sink or conduct\$4 or element)) with (pressure with bond\$4 with | | | | 2006/06/13 14:49 |
| and (mirror\$1 or reflec\$4) and (gain or active) and ((heat near3 (sink or conduct\$4 or element)) same (pressure with bond\$4 with adhesive)) L12 0 laser and (mirror\$1 or reflec\$4) and (gain or active) and ((heat near3 (sink or conduct\$4 or element)) same (pressure with bond\$4 with (free or without) near2 adhesive)) L13 1 ((heat near3 (sink or conduct\$4 or element)) same (pressure with bond\$4 with (free or without) near2 adhesive)) L11 41 41 ((semiconductor or diode or (solid near3 state)) near3 laser) and (mirror\$1 or reflec\$4) and (gain or active) and ((heat near3 (sink or conduct\$4 or element)) with (contact near3 bond\$4)) L15 1 ((semiconductor or diode or (solid near3 state)) near3 laser) and (mirror\$1 or reflec\$4) and (gain or active) and ((heat near3 (sink or conduct\$4 or element)) with (contact near3 bond\$4)) L14 1 ((semiconductor or diode or (solid near3 state)) near3 laser) and (mirror\$1 or reflec\$4) and (gain or active) and ((heat near3 (sink or conduct\$4 or element)) with (contact near3 bond\$4)) and ((free or without or any) near2 adhesive) L17 1 ("5,846,638").PN. US-PGPUB; | L10 | 75 | and (mirror\$1 or reflec\$4) and (gain or active) and ((heat near3 | | AND | ON | 2006/06/13 14:52 |
| near3 (sink or conduct\$4 or element)) same (pressure with bond\$4 with ((free or without) near2 adhesive))) L13 | L8 | 2 | and (mirror\$1 or reflec\$4) and (gain or active) and ((heat near3 (sink or conduct\$4 or element)) same (pressure with bond\$4 | | | ON. | 2006/06/13 14:53 |
| with bond\$4 with ((free or without) near2 adhesive))) L11 41 ((semiconductor or diode or (solid near3 state)) near3 laser) and (mirror\$1 or reflec\$4) and (gain or active) and ((heat near3 (sink or conduct\$4 or element)) with (contact near3 bond\$4)) and ((free or without) or any) near2 adhesive) L14 1 ((semiconductor or diode or (solid near3 state)) near3 laser) and (mirror\$1 or reflec\$4) and (gain or active) and ((heat near3 (sink or conduct\$4 or element)) with (contact near3 bond\$4)) and ((free or without) or any) near2 adhesive) L14 1 ((semiconductor or diode or (solid near3 state)) near3 laser) and (mirror\$1 or reflec\$4) and (gain or active) and ((heat near3 (sink or conduct\$4 or element)) with (contact near3 bond\$4)) and ((free or without) near2 adhesive) L17 1 ("5,846,638").PN. US-PGPUB; US-PGPUB; US-PGPUB; US-PGPUB; US-PGPUB; US-PGPUB; US-PGPUB; OR US-PAT L18 7 (semiconductor or diode or (solid near3 state)) near3 laser) and (mirror\$1 or reflec\$4) and (gain or active) and ((heat near3 (sink or conduct\$4 or element)) same ((contact near3 bond\$4)) or contact-bond\$4)) and ((free or without) near2 adhesive) L18 7 (laser and ((heat near3 (sink or conduct\$4 or element)) same ((contact near3 bond\$4)) or contact-bond\$4)) and ((free or without) near2 adhesive) L20 7 (laser and ((heat near3 (sink or conduct\$4 or element)) same ((contact near3 bond\$4) or contact-bond\$4)) and ((free or without)) same ((contact near3 bond\$4) or contact-bond\$4)) and ((free or without)) same ((contact near3 bond\$4) or contact-bond\$4)) and ((free or without)) same ((contact near3 bond\$4) or contact-bond\$4)) and ((free or without)) same ((contact near3 bond\$4) or contact-bond\$4)) and ((free or without)) same ((contact near3 bond\$4) or contact-bond\$4)) and ((free or without)) same ((contact near3 bond\$4) or contact-bond\$4)) and ((free or without)) same ((contact near3 bond\$4) or contact-bond\$4)) and ((free or without)) same ((contact near3 bond\$4) | L12 | 0 | near3 (sink or conduct\$4 or element)) same (pressure with | | AND | ON | 2006/06/13 14:53 |
| and (mirror\$1 or reflec\$4) and (gain or active) and ((heat near3 (sink or conduct\$4 or element)) with (contact near3 bond\$4)) L15 1 ((semiconductor or diode or (solid near3 state)) near3 laser) and (mirror\$1 or reflec\$4) and (gain or active) and ((heat near3 (sink or conduct\$4 or element)) with (contact near3 bond\$4)) and ((free or without or any) near2 adhesive) L14 1 ((semiconductor or diode or (solid near3 state)) near3 laser) and (mirror\$1 or reflec\$4) and (gain or active) and ((heat near3 (sink or conduct\$4 or element)) with (contact near3 bond\$4)) and ((free or without) near2 adhesive) L17 1 ("5,846,638").PN. US-PGPUB; US-PGPUB; OR OFF 2006/06/13 or contact (sink or conduct\$4 or element)) near3 laser) and (mirror\$1 or reflec\$4) and (gain or active) and ((heat near3 (sink or conduct\$4 or element)) same ((contact near3 bond\$4) or contact-bond\$4)) and ((free or without) near2 adhesive) L18 7 (laser and ((heat near3 (sink or conduct\$4 or element)) same ((contact near3 bond\$4) or contact-bond\$4)) and ((free or without) near2 adhesive) L20 7 (laser and ((heat near3 (sink or conduct\$4 or element)) same ((contact near3 bond\$4)) or contact-bond\$4)) or contact-bond\$4)) and ((free or without) near2 adhesive) L20 7 (laser and ((heat near3 (sink or conduct\$4 or element)) same ((contact near3 bond\$4)) or contact-bond\$4)) and ((free or without) near2 adhesive) L20 7 (laser and ((heat near3 (sink or conduct\$4 or element)) same ((contact near3 bond\$4)) or contact-bond\$4)) and ((free or without) near2 adhesive) | L13 | 1 , | | | AND | ON | 2006/06/13 14:53 |
| and (mirror\$1 or reflec\$4) and (gain or active) and ((heat near3 (sink or conduct\$4 or element)) with (contact near3 bond\$4)) and ((free or without or any) near2 adhesive) L14 1 ((semiconductor or diode or (solid near3 state)) near3 laser) and (mirror\$1 or reflec\$4) and (gain or active) and ((heat near3 (sink or conduct\$4 or element)) with (contact near3 bond\$4)) and ((free or without) near2 adhesive) L17 1 ("5,846,638").PN. US-PGPUB; US | L11 | 41 | and (mirror\$1 or reflec\$4) and (gain or active) and ((heat near3 | | AND | ON | 2006/06/13 14:57 |
| and (mirror\$1 or reflec\$4) and (gain or active) and ((heat near3 (sink or conduct\$4 or element)) with (contact near3 bond\$4)) and ((free or without) near2 adhesive) L17 | L15 | 1 | and (mirror\$1 or reflec\$4) and (gain or active) and ((heat near3 (sink or conduct\$4 or element)) with (contact near3 bond\$4)) | | AND | ON | 2006/06/13 14:58 |
| L17 1 ("5,846,638").PN. US-PGPUB; US | L14 | 1 | and (mirror\$1 or reflec\$4) and (gain or active) and ((heat near3 (sink or conduct\$4 or element)) with (contact near3 bond\$4)) | | AND | ON | 2006/06/13 15:00 |
| and (mirror\$1 or reflec\$4) and (gain or active) and ((heat near3 (sink or conduct\$4 or element)) same ((contact near3 bond\$4) or contact-bond\$4)) and ((free or without) near2 adhesive) L18 7 laser and ((heat near3 (sink or conduct\$4 or element)) same ((contact near3 bond\$4) or contact-bond\$4)) and ((free or without) near2 adhesive) L20 7 laser and ((heat near3 (sink or conduct\$4 or element)) same ((contact near3 bond\$4) or conduct\$4 or element)) same ((contact near3 bond\$4) or conduct\$4 or element)) same (US-PGPUB; AND ON 2006/06/13 1) | L17 | 1 | | | OR | OFF | 2006/06/13 15:03 |
| L18 7 laser and ((heat near3 (sink or conduct\$4 or element)) same ((contact near3 bond\$4) or contact-bond\$4)) and ((free or without) near2 adhesive) L20 7 laser and ((heat near3 (sink or conduct\$4 or element)) same ((contact near3 bond\$4) or conduct\$4 or element)) same ((contact near3 bond\$4) or contact-bond\$4)) and ((free or US-PGPUB; US-PGPU | L16 | 3 | and (mirror\$1 or reflec\$4) and (gain or active) and ((heat near3 (sink or conduct\$4 or element)) same ((contact near3 bond\$4) | | AND | ON | 2006/06/13 15:08 |
| ((contact near3 bond\$4) or contact-bond\$4)) and ((free or USPAT | L18 | 7 | laser and ((heat near3 (sink or conduct\$4 or element)) same ((contact near3 bond\$4) or contact-bond\$4)) and ((free or | | AND | ON | 2006/06/13 15:13 |
| | L20 | 7 | ((contact near3 bond\$4) or contact-bond\$4)) and ((free or | | AND | ON | 2006/06/13 15:14 |
| L22 1 ((heat near3 (sink or conduct\$4 or element)) same ((contact near3 bond\$4) or contact-bond\$4)) same ((free or without) USPAT ON 2006/06/13 1 near2 adhes\$4) | L22 | . 1 | near3 bond\$4) or contact-bond\$4)) same ((free or without) | | AND | ON | 2006/06/13 15:15 |

EAST Search History

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|-------------|-----|---|--------------------------------|-----|----|------------------|
| L23 | 1 | (((heat near3 (sink or conduct\$4 or element)) same ((contact near3 bond\$4) or contact-bond\$4)) same ((free or without) near2 adhes\$4)) | US-PGPUB; USPAT | AND | ON | 2006/06/13 15:15 |
| L24 | 3 | ("5213868" "5298791").PN. OR ("6086994").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2006/06/13 15:33 |
| L21 | 21 | ((heat near3 (sink or conduct\$4 or element)) same ((contact near3 bond\$4) or contact-bond\$4)) and ((free or without) near2 adhes\$4) | US-PGPUB; USPAT | AND | ON | 2006/06/13 15:44 |
| L31 | 946 | ((heat-sink or (heat near6 (sink or conduct\$4 or element))) same sapphire) | US-PGPUB; USPAT; IBM_TDB | AND | ON | 2006/06/13 15:47 |
| L32 | 424 | ((heat-sink or (heat near6 (sink or conduct\$4 or element))) with sapphire) | US-PGPUB; USPAT; IBM_TDB | AND | ON | 2006/06/13 15:47 |
| L33 | 73 | ((heat-sink or (heat near6 (sink or conduct\$4 or element))) with (sapphire and diamond)) | US-PGPUB; USPAT; IBM_TDB | AND | ON | 2006/06/13 15:50 |
| L34 | 24 | ((heat-sink or (heat near6 (sink or conduct\$4 or element))) with (sapphire and diamond)) and "372"/\$.ccls. | US-PGPUB; USPAT; IBM_TDB | AND | ON | 2006/06/13 15:50 |
| L19 | 1 | (((heat near3 (sink or conduct\$4 or element)) same ((contact near3 bond\$4) or contact-bond\$4)) same ((free or without) near2 adhesive)) | US-PGPUB; USPAT | AND | ON | 2006/06/13 16:03 |
| L35 | 230 | ((heat near3 (sink or conduct\$4 or element)) same ((free or without) near2 adhesive)) | US-PGPUB; USPAT | AND | ON | 2006/06/13 16:03 |
| L36 | 126 | ((heat near3 (sink or conduct\$4 or element)) WITH ((free or without) near2 adhesive)) | US-PGPUB; USPAT | AND | ON | 2006/06/13 16:04 |